

Br briantu.tech

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SKILLS

- Languages: Javascript, Typescript, C, C++, Python, Java, GraphQL, HTML/ CSS
- Technologies: Node.js, Express.js, Spring Boot, React, Vue.js, Socket.IO, MongoDB, Apollo Server, Docker, Git, Heroku, Figma
- Proficient in object-oriented and functional programming, RESTful APIs, and Full Stack development honed through various projects.

EXPERIENCE

Stratus360 May 2021 - Current

Full Stack Developer

- Created **Lighting Web Components** on the **Salesforce Lightning Platform** using Javascript, HTML/CSS on the client-side and **Apex** with embedded **SOQL** queries on the server-side to provide a friendly user interface for 407 ETR to manage data of charges and payments.
- Integrated data received from the SAP API into Salesforce and unit tested Apex classes to ensure code coverage upwards of 90%.
- Developed an application process for FPK Canada using **Salesforce Flow**, NPSP, and Formstack to manage data of **300+ applicants**.
- Fostered collaborative client relationships, presented demos to clients, and quickly made revisions based on changing requirements.

TerraCycle Canada Jun 2019 - Aug 2019

Automation Developer

- Created a user interface in Excel using VBA to help warehouse workers **automate the creation of custom shipment labels** for products, resulting in **83% less time** needed to create labels.
- Coded a chrome extension used by the Director of Operations to download packaging label images from multiple tabs at once to
 optimize manual work.

PROJECTS

Qlear *₽* May 2021

Awarded "Best use of DataStax Astra" @ TOHacks 2021

- Produced a web application for creating QR clothing tags to promote product transparency for the fashion industry in under 24 hours.
- Built backend using Spring Boot and Apache Cassandra database (via DataStax Astra) to store clothing product information.
- Designed models for company, tag, and user classes and determined attributes and relationships between object classes.
- Implemented the **REST API** to work seamlessly with the **React Typescript** frontend and deployed the client and server to **AWS**.
- Quickly grasped new technologies and set clear goals amongst team members to ensure project milestones were achieved.

Companion *₽* Jan 2021

Awarded Honorable Mention @ nwHacks 2021

- Built a smart social network for those in times of hardship to find people to talk to, empowering positive social communication.
- Integrated sentiment analysis on messages and data visualization of client statistics to cultivate healthy relationships.
- Constructed web app using **Node.js** and **Express.js** with **Firebase** database to track total user intent, messages, and time spent.
- Led the backend development, and created the private and public chats using **Socket.IO** to facilitate realtime chat functionality.
- Initiated group discussions to provide and organize ideas for product features as well as helped team members debug code.

Lemons Live *❷* Oct 2020

Awarded Top 30 @ Digital Inclusion Challenge 2020

- Created a real-time platform for interactive learning, enabling teachers to engage their students by creating online team competitions.
- Built on a MongoDB, Express.js, Node.js stack and Tailwind UI to supply students with an engaging learning experience.
- Developed the **REST API** backend and used **Socket.IO** to integrate online educative games for students and teachers.
- Worked with a team of 6 students and competed against 1000+ students over 30+ countries.
- Tackled issues in project ideation and offered suggestions and feedback during team brainstorming and discussions.

EDUCATION

University of Waterloo

Sep 2020 - Apr 2025

Bachelor of Computer Science, Honours

- Awards & Academics: 3.90 GPA (90.0%); President's Scholarship of Distinction
- Relevant Courses: Designing Functional Programs (Advanced), Elementary Algorithm Design and Data Abstraction (Advanced)

INTERESTS

- (Sports) soccer, basketball, running; (Music) guitar (6+ years) and music production; (DIY) guitar and mechanical keyboard